



PATENT ABSTRACTS OF JAPAN

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B01F 3/08**B01F 5/04****B01F 13/00****B01J 4/00****B01J 4/02****B65B 39/00****B65G 53/40****B65G 53/58**(21) Application number: **06007331**(22) Date of filing: **27.01.94**(71) Applicant: **KUBOTA CORP**(72) Inventor: **FUKAHORI MASAHIKA**(54) **CHEMICAL INJECTION DEVICE**

communication orifice 4 and the balance pipe 12.

(57) Abstract:

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PURPOSE: To mix a secondary liquid into the primary liquid passing through an orifice part in various ratios by regulating the pressure difference between two liquids in a container by a control means.

CONSTITUTION: A chemical injection device is constituted by connecting a container 2 mixing a secondary liquid B into a primary liquid A to the piping 1 receiving the supply of the primary liquid A. An orifice part 3 is provided to the piping 1 and the orifice part 3 and the upper part of the container 2 are allowed to communicate with a small communication orifice 4 and the place on the upstream side of the orifice part 3 of the piping 1 and the lower part of the container 2 are allowed to communicate with each other by a balance pipe 12. A bladder 9 forming the upper space 7 storing the secondary liquid B is arranged in the container 2 so as to be displaced by the pressure difference between the secondary liquid B received in the upper space 7 and the primary liquid A in the piping 1. A control means such as a control valve 13 or a throttle mechanism 14 is provided to the small

